

### ABSTRACT

The invention relates to an optical arrangement comprising a plurality of transmitter elements and/or receiver elements, a plurality of diffractive and/or refractive optical elements and an optical carrier for the diffractive and/or refractive optical elements, wherein the optical system carrier has diaphragm apertures in whose region the diffractive and/or refractive optical elements are connected to the optical system carrier by means of an injection molding process or of a casting process. The invention furthermore relates to a method of manufacturing such an optical arrangement.